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FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 17:34:05 ON 12 OCT 2004

- L1 27 S (MUTAT? OR MUTANT) (5A)GP(3A) (IIIA OR BETA3)
- L2 272531 S TRANSGEN?
- L3 1 S L1 AND L2
- L4 17 DUP REM L1 (10 DUPLICATES REMOVED)

#### => d au ti so 1-17 14

- L4 ANSWER 1 OF 17 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AU Yarah, N.; Fisgin, T.; Duru, F. [Reprint Author]; Kara, A.
- TI Osteopetrosis and Glanzmann's thrombasthenia in a child.
- SO Annals of Hematology, (April 2003) Vol. 82, No. 4, pp. 254-256. print. ISSN: 0939-5555.
- L4 ANSWER 2 OF 17 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AU Srivastava A (Reprint); Usher S; Nelson E J R; Jayandharan G; Shaji R V; Chandy M; Seligsohn U; Peretz H
- TI Prenatal diagnosis of Glanzmann thrombasthenia
- SO NATIONAL MEDICAL JOURNAL OF INDIA, (JUL-AUG 2003) Vol. 16, No. 4, pp. 207-208.
  - Publisher: ALL INDIA INST MEDICAL SCIENCES, ANSARI NAGAR, NEW DELHI 110 029, INDIA.
  - ISSN: 0970-258X.
- L4 ANSWER 3 OF 17 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AU Prasad, Srinivasa K. [Reprint author]; Andre, Patrick [Reprint author]; He, Ming [Reprint author]; Alaimo, Lisa N.; Wagner, Denisa D.; Phillips, David R. [Reprint author]
- TI The soluble form of CD40L is a novel ligand for GPIIb-IIIa.
- SO Blood, (November 16, 2001) Vol. 98, No. 11 Part 1, pp. 514a. print.
  Meeting Info.: 43rd Annual Meeting of the American Society of Hematology,
  Part 1. Orlando, Florida, USA. December 07-11, 2001. American Society of
  Hematology.
  CODEN: BLOOAW. ISSN: 0006-4971.
- L4 ANSWER 4 OF 17 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- .AU Kroll, Hartmut [Reprint author]; Penke, Gabriele [Reprint author]; Newman, Peter J.; Santoso, Sentot [Reprint author]
- TI Heterogeneity of PlA1 (HPA-1a) antibodies: Relation between PlA1 epitopes on platelet glycoprotein IIIa and alloimmune thrombocytopenic syndromes.
- SO Blood, (November 16, 2001) Vol. 98, No. 11 Part 1, pp. 35a. print.
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- L4 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
- AU Maksimenko, L. V.; Moiseeva, T. Yu.; Tugarinova, G. V.; Karpova, E. V.; Frolov, V. A.; Itkes, A. V.
- TI Clinical symptoms of acute coronary insufficiency correlate with GP-IIIa genotype of integrin  $\beta$ -subunit
- SO Bulletin of Experimental Biology and Medicine (Translation of Byulleten Eksperimental'noi Biologii i Meditsiny) (2000), 129(6), 578-580 CODEN: BEXBAN; ISSN: 0007-4888

- L4 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
- IN Law, Deborah Ann; Phillips, David R.
- TI Transgenic mammals expressing mutant integrin  $\beta 3$  gene ( GP IIIa) and use for assessing of the phosphorylation for platelet function
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- L4 ANSWER 7 OF 17 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AU Schlegel N (Reprint); Chen P; Binard S; Maisonneuve L; Rosa J P; Kieffer N; Caen J
- TI Type II glanzmann thrombasthenia (GT) in a compound heterozygote for the glycoprotein (GP) IIIa gene associating two novel mutations, a stop codon (Arg 216) and a Cys598Tyr substitution in mature GPIIIa.
- SO BLOOD, (15 NOV 1999) Vol. 94, No. 10, Part 1, Supp. [1], pp. 2004-2004. Publisher: AMER SOC HEMATOLOGY, 1200 19TH ST, NW, STE 300, WASHINGTON, DC 20036-2422. ISSN: 0006-4971.
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  ISSN: 0340-6245.
- L4 ANSWER 9 OF 17 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AU Schlegel, N. [Reprint author]; Chen, P.; Binard, S.; Maisonneuve, L.; Rosa, J. P.; Kieffer, N.; Caen, J.
- TI Type II Glanzmann thrombasthenia (GT) in a compound heterozygote for the glycoprotein (GP) IIIa gene associating two novel mutations, a stop codon (Arg 216) and a Cys598 Tyr substitution in mature GPIIIa.
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- L4 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
- AU Ferrer, Milagros; Tao, Jianming; Iruin, Gema; Sanchez-Ayuso, Matilde; Gonzalez-Rodriguez, Jose; Parrilla, Roberto; Gonzalez-Manchon, Consuelo
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- SO Thrombosis and haemostasis, (1998 Jul) 80 (1) 42-8. Journal code: 7608063. ISSN: 0340-6245.

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- TI The Arg633His substitution responsible for the private platelet antigen Gro(a) unravelled by SSCP analysis and direct sequencing.
- SO British journal of haematology, (1997 May) 97 (2) 330-5. Journal code: 0372544. ISSN: 0007-1048.
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- TI Construction of an activated, high-affinity GP IIb/IIIa ( $\alpha IIb\beta 3$ ) integrin receptor and its use for the determination of the role of affinity and cytoskeletal anchorage in cell adhesion, cell migration and fibronectin matrix assembly
- SO Fibrinolysis & Proteolysis (1997), 11(Suppl. 2, Update in Thrombolysis), 193-196
  CODEN: FBPRFP
- L4 ANSWER 14 OF 17 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AU Peter K (Reprint); Nordt T; Bode C
- TI Construction of an activated, high-affinity GP IIb/IIIa (alpha(IIb)beta(3)) integrin receptor and its use for the determination of the role of affinity and cytoskeletal anchorage in cell adhesion, cell migration and fibronectin matrix assembly
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- L4 ANSWER 15 OF 17 MEDLINE on STN
- AU Jin Y; Dietz H C; Montgomery R A; Bell W R; McIntosh I; Coller B; Bray P F
- TI Glanzmann thrombasthenia. Cooperation between sequence variants in cis during splice site selection.
- SO Journal of clinical investigation, (1996 Oct 15) 98 (8) 1745-54. Journal code: 7802877. ISSN: 0021-9738.
- L4 ANSWER 16 OF 17 MEDLINE on STN
- AU Chen F; Coller B; French D
- TI Rapid detection of platelet glycoprotein IIb, IIIA gene variety by single strand conformation polymorphism analysis.
- SO Zhonghua yi xue za zhi, (1995 Jun) 75 (6) 341-3, 382. Journal code: 7511141. ISSN: 0376-2491.
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- AU Dennis M S; Carter P; Lazarus R A
- TI Binding interactions of kistrin with platelet glycoprotein IIb-IIIa: analysis by site-directed mutagenesis.
- SO Proteins, (1993 Mar) 15 (3) 312-21. Journal code: 8700181. ISSN: 0887-3585.

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- L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 1999:672985 CAPLUS
- DN 131:307669
- TI Transgenic mammals expressing mutant integrin  $\beta 3$  gene (GP IIIa) and use for assessing of the phosphorylation for platelet function
- IN Law, Deborah Ann; Phillips, David R.
- PA Cor Therapeutics, Inc., USA
- SO PCT Int. Appl., 37 pp. CODEN: PIXXD2

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AB
     The present invention relates to mammals into which foreign DNA has been
     introduced or in which various modifications or substitutions have been
    made to an integrin \beta subunit, thereby generating transgenic
    or genetically-engineered non-human mammals. A transgenic
    mammal, preferably mouse, in which the endogenous GP IIIa gene has been
    replaced with an altered or mutant GP IIIa
    gene in which one or all of the phosphorylatable cytoplasmic tyrosine
    residues have been replaced with non-tyrosine residues such as
    phenylalanine is provided. Since the platelets in the blood of the
     resultant transgenic mammals expressing the altered or
    mutant GP IIIa cannot undergo tyrosine
    phosphorylation to the extent that it occurs in wild-type mammals, these
    genetically-engineered animals provide a critical tool for assessing the
     importance of the phosphorylation reaction for platelet function. The
     invention is also useful for studying the effect of the mutant
    GP IIIa integrin subunit on biol. processes other than
    platelet formation.
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RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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## (FILE 'HOME' ENTERED AT 17:33:49 ON 12 OCT 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 17:34:05 ON 12 OCT 2004

- 27 S (MUTAT? OR MUTANT) (5A) GP(3A) (IIIA OR BETA3)
- L2 272531 S TRANSGEN?
  - 1 S L1 AND L2
  - 17 DUP REM L1 (10 DUPLICATES REMOVED)
  - 2532 S INTEGRIN (4A) BETA3
- L6 272531 S TRANSGEN?
  - 52 S L5 AND L6
    - 20 S PLATELET AND L7
    - 16 DUP REM L8 (4 DUPLICATES REMOVED)

#### => d au ti so 1-16 19

- L9 ANSWER 1 OF 16 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
- AU Bray, Paul F. [Reprint Author]; Larrucea, Susana [Reprint Author]; Lopez, Jose A. [Reprint Author]; Souza, Shiloe [Reprint Author]; Li, Tong-Tong [Reprint Author]
- TI Genetic variation responsible for mouse strain differences in integrin alpha2 expression is associated with altered responses to collagen.
- SO Blood, (November 16 2003) Vol. 102, No. 11, pp. 51a-52a. print.

  Meeting Info.: 45th Annual Meeting of the American Society of Hematology.

  San Diego, CA, USA. December 06-09, 2003. American Society of Hematology.

  CODEN: BLOOAW. ISSN: 0006-4971.
- L9 ANSWER 2 OF 16 MEDLINE on STN
- AU Nieswandt Bernhard; Schulte Valerie; Zywietz Alexandra; Gratacap Marie-Pierre; Offermanns Stefan
- TI Costimulation of Gi- and G12/G13-mediated signaling pathways induces integrin alpha IIbbeta 3 activation in platelets.
- SO Journal of biological chemistry, (2002 Oct 18) 277 (42) 39493-8. Journal code: 2985121R. ISSN: 0021-9258.
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- L9 ANSWER 4 OF 16 MEDLINE on STN DUPLICATE 1
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- TI Identification of distal regulatory regions in the human alpha IIb gene locus necessary for consistent, high-level megakaryocyte expression.
- SO Blood, (2002 Nov 15) 100 (10) 3588-96. Journal code: 7603509. ISSN: 0006-4971.
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- AU Wilcox, David A. [Reprint Author]
- TI Targeting Transgene Expression in Canine Megakaryocytes Derived from Lentivirus-Transduced G-CSF Mobilized CD34+ Peripheral Blood Cells.
- SO Blood, (November 16 2002) Vol. 100, No. 11, pp. Abstract No. 1713. print. Meeting Info.: 44th Annual Meeting of the American Society of Hematology. Philadelphia, PA, USA. December 06-10, 2002. American Society of Hematology.

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- L9 ANSWER 6 OF 16 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on
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- Knockout mice reveal a contribution of the extracellular matrix molecule TItenascin-C to neural precursor proliferation and migration
- DEVELOPMENT, (JUL 2001) Vol. 128, No. 13, pp. 2485-2496. SO Publisher: COMPANY OF BIOLOGISTS LTD, BIDDER BUILDING CAMBRIDGE COMMERCIAL PARK COWLEY RD, CAMBRIDGE CB4 4DL, CAMBS, ENGLAND. ISSN: 0950-1991.
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- ANSWER 8 OF 16 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on L9
- ΑU Lin, Hui-Feng [Reprint author]; Paw, Barry H. [Reprint author]; Gregory, Michael; Jagadeeswaran, Pudur; Handin, Robert I. [Reprint author]
- Production and characterization of transgenic zebrafish (Danio TΤ rario) with fluorescent thrombocytes and thrombocyte precursors.
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- L9 ANSWER 9 OF 16 MEDLINE on STN
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- Cellular receptors and hantavirus pathogenesis. TI
- SO Current topics in microbiology and immunology, (2001) 256 91-115. Ref: Journal code: 0110513. ISSN: 0070-217X.
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- ANSWER 10 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN Wilcox, David A.; Olsen, John C.; Ishizawa, Lori; Bray, Paul F.; French, AU Deborah L.; Steeber, Douglas A.; Bell, William R.; Griffith, Michael; White, Gilbert C., II
- TIMegakaryocyte-targeted synthesis of the integrin  $\beta$ 3-subunit results in the phenotypic correction of Glanzmann thrombasthenia
- SO Blood (2000), 95(12), 3645-3652 CODEN: BLOOAW; ISSN: 0006-4971
- ANSWER 11 OF 16 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. L9
- ΑU Lin, Hui-Feng [Reprint author]; Freedman, Matthew; Zhou, Yi; Zon, Leonard; Handin, Robert I. [Reprint author]
- TTThrombocyte development in the Zebrafish (Danio Rerio).
- Blood, (November 16, 2000) Vol. 96, No. 11 Part 1, pp. 36a. print. SO Meeting Info.: 42nd Annual Meeting of the American Society of Hematology. San Francisco, California, USA. December 01-05, 2000. American Society of Hematology. CODEN: BLOOAW. ISSN: 0006-4971.
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- ΑU Wilcox D A; Olsen J C; Ishizawa L; Griffith M; White G C 2nd
- TΤ Integrin alphaIIb promoter-targeted expression of gene products in megakaryocytes derived from retrovirus-transduced human hematopoietic

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- L9 ANSWER 13 OF 16 MEDLINE on STN
- AU Turkay A; Saunders T; Kurachi K
- TI Intrauterine gene transfer: gestational stage-specific gene delivery in mice.
- SO Gene therapy, (1999 Oct) 6 (10) 1685-94. Journal code: 9421525. ISSN: 0969-7128.
- L9 ANSWER 14 OF 16 MEDLINE on STN
- AU Tropel P; Roullot V; Vernet M; Poujol C; Pointu H; Nurden P; Marguerie G; Tronik-Le Roux D
- TI A 2.7-kb portion of the 5' flanking region of the murine glycoprotein alphaIIb gene is transcriptionally active in primitive hematopoietic progenitor cells.
- SO Blood, (1997 Oct 15) 90 (8) 2995-3004. Journal code: 7603509. ISSN: 0006-4971.
- L9 ANSWER 15 OF 16 MEDLINE on STN
- AU Delporte C; Redman R S; Baum B J
- TI Relationship between the cellular distribution of the alpha(v) beta3/5 integrins and adenoviral infection in salivary glands.
- SO Laboratory investigation; a journal of technical methods and pathology, (1997 Aug) 77 (2) 167-73.

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- L9 ANSWER 16 OF 16 MEDLINE on STN
- AU Marguerie G; Roullot V; Tronik-Le Roux D
- TI Dissecting megakaryocytopoiesis in vivo with toxiqenes.
- SO Stem cells (Dayton, Ohio), (1996) 14 Suppl 1 200-5. Journal code: 9304532. ISSN: 1066-5099.

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**END OF SEARCH HISTORY** 

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Generate Collection Print **Search Results** - Record(s) 1 through 2 of 2 returned.

1. 6001588. 13 Jul 92; 14 Dec 99. Introns and exons of the cystic fibrosis gene and mutations thereof. Tsui; Lap-Chee, et al. 435/69.1; 435/252.3 435/320.1 536/23.5 536/24.31. C12P021/06 C12N001/21 C12N015/63 C07H021/04.

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3. <u>20030224993</u> . 17 Mar 03. 04 Dec 03. Compositions that inhibit proliferation of cancer cells. Land, Hartmut, et al. 514/12; 514/44 A61K038/17 A61K048/00.
4. <u>20030113828</u> . 12 Nov 02. 19 Jun 03. Compositions and methods for modulating Syk function. Ginsberg, Mark H., et al. 435/15; 435/194 514/13 530/326 A61K038/16 C12Q001/48 C12N009/12.
5. <u>20030064358</u> . 14 Aug 02. 03 Apr 03. Systems and methods for screening pharmaceutical chemicals. Elson, Elliot, et al. 435/4; 435/325 435/366 C12Q001/00 C12N005/08 C12N005/06.
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L8 with L6